

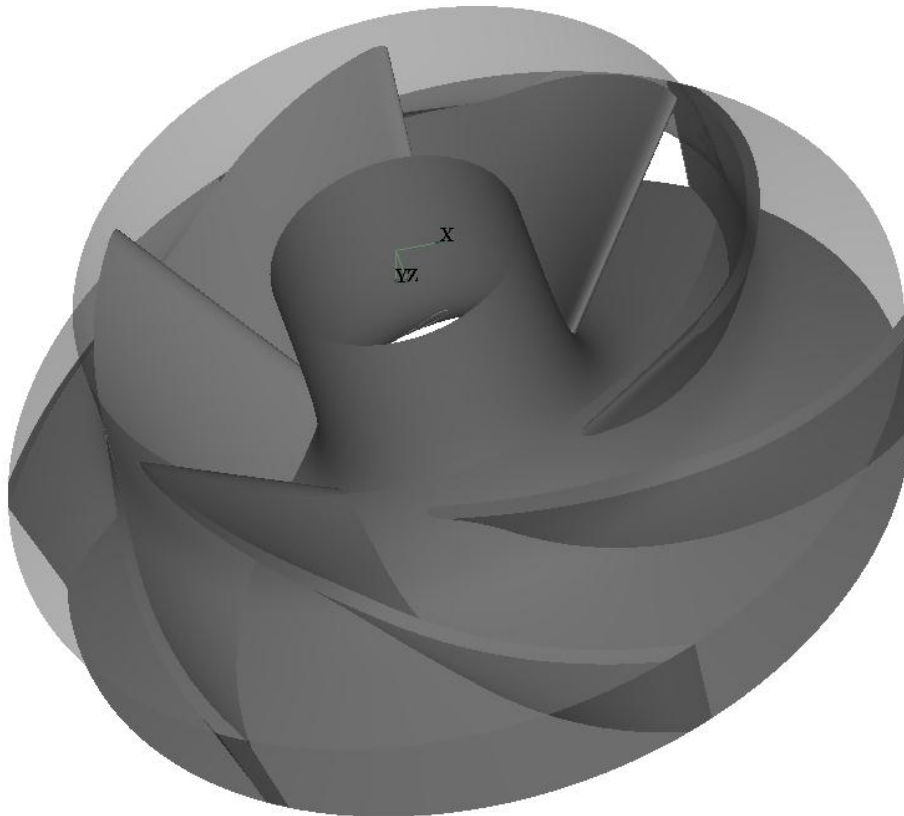
# DETAILED BROCHURE - MM042B08

## Technical Parameters

Model No	MM042B08
Type of flow	Mixed flow
Borewell Size	6"
Flow Rate	42 m <sup>3</sup> /hr ( 700 LPM )
Head / Stage	8.5 Mtrs
Shut off Head	12.4 Mtrs
Power driven by pump / stage	1.2 KW (1.61 HP )
Pump Efficiency	82 %
Rated RPM	2880 @ 50 Hz
No. of Blades	6 (CCW)
Production Method	Investment Casting
Compatible Bowl Model No.	MMB042B08

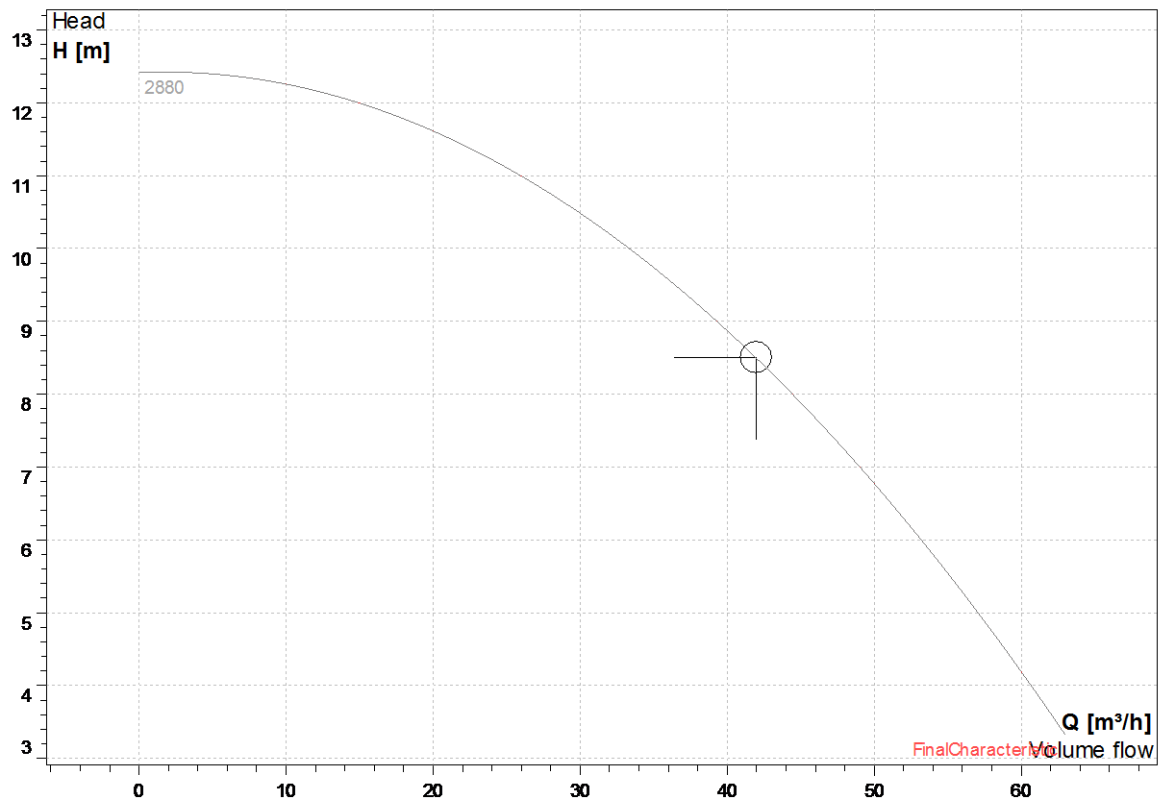
Pump Efficiency @ different Head				
	Head (Mtrs)	Flow Rate		Pump Efficiency (%)
		(m <sup>3</sup> /hr)	LPM	
<b>1</b>	8.5 (Duty Point)	42	700	82
<b>2</b>	7.65 (-10%)	47.1	785	77
<b>3</b>	10.63 (+25%)	29.5	483	72

## Conceptual Design of Impeller

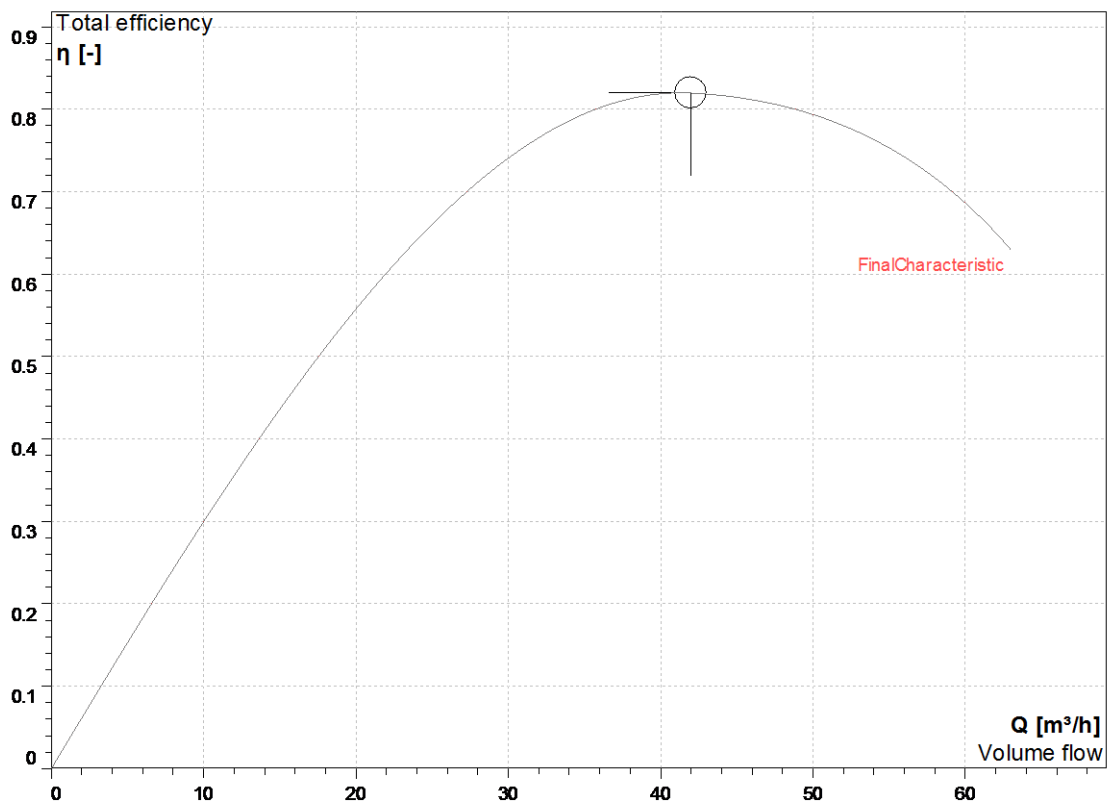


## PERFORMANCE GRAPHS

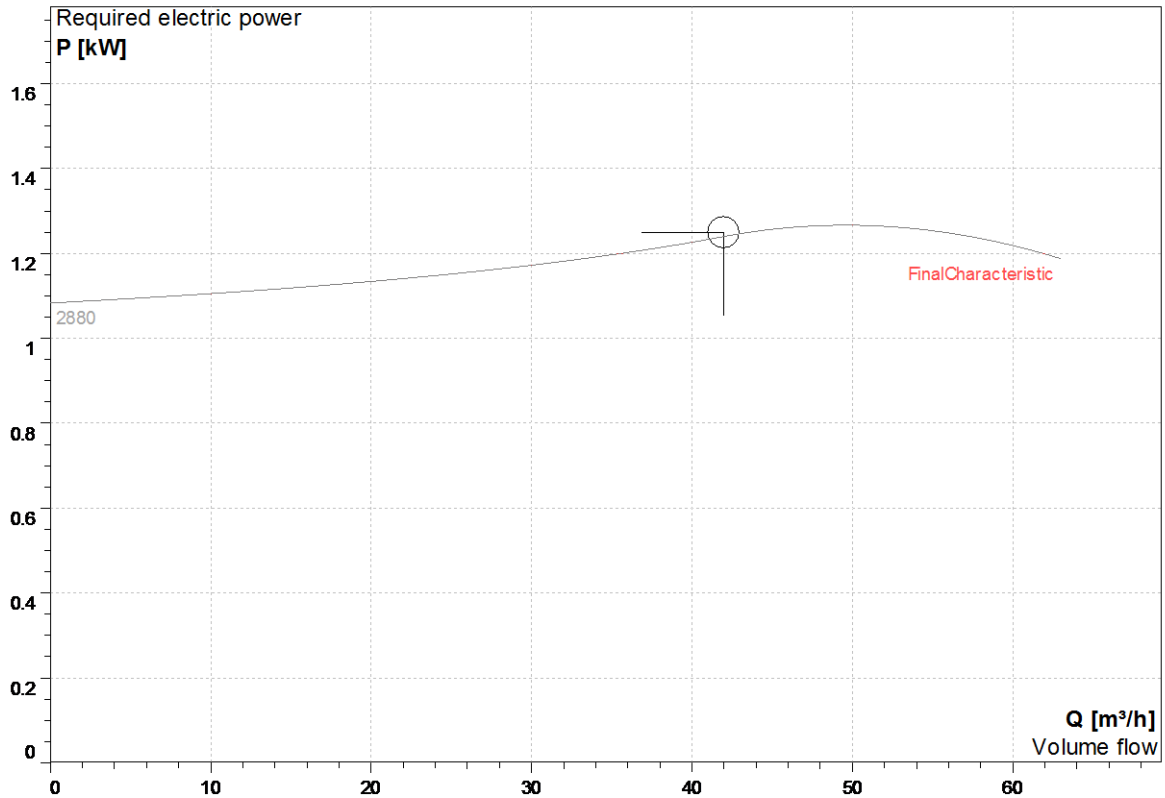
### 1. Volume Flow vs. Head



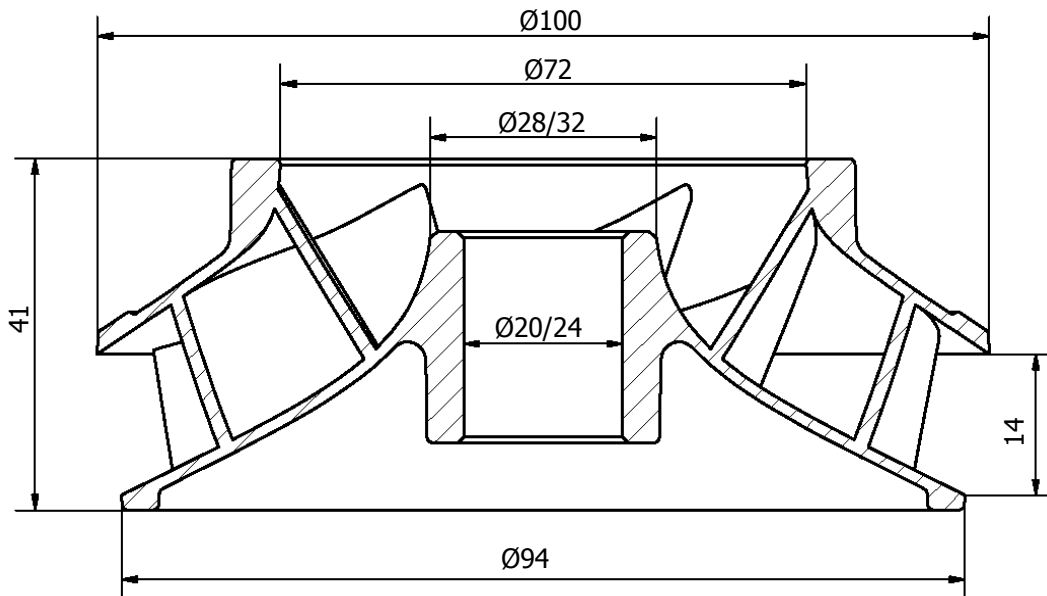
### 2. Volume Flow vs. Total Efficiency



### 3. Volume Flow vs. Required Driving Power



### OVERALL DIMENSIONS (Not to Scale)



**Note:** All Dimensions are in mm.

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